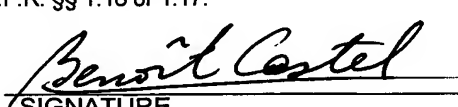


TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		Attorney Docket No. <b>0512-1354</b> U.S. Application No. <b>10/594575</b>
INTERNATIONAL APPLN. NO. <b>PCT/FR2005/000754</b>	INTERNATIONAL FILING DATE <b>March 29, 2005</b>	PRIORITY DATE CLAIMED <b>March 30, 2004</b>
TITLE OF INVENTION: <b>METHOD FOR MODULATING AN ATOMIC CLOCK SIGNAL WITH COHERENT POPULATION TRAPPING AND CORRESPONDING ATOMIC CLOCK</b>		
APPLICANT(S) FOR DO/EO/US: <b>Noël DIMARCQ; Stéphane GUERANDEL; Thomas ZANON; David HOLLEVILLE</b>		
<p>Applicant herewith submits to the United States Designated Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li><input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li><input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li><input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li><input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))             <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li><input type="checkbox"/> has been communicated by the International Bureau. See attached PCT/IB/308.</li> <li><input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li><input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2))             <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> is attached hereto.</li> <li><input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li><input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))             <ol style="list-style-type: none"> <li><input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li><input type="checkbox"/> have been communicated by the International Bureau.</li> <li><input type="checkbox"/> have not been made, however, the time limit for making such amendments has NOT expired.</li> <li><input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li><input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</li> <li><input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4))</li> <li><input type="checkbox"/> A Declaration of Inventorship for purposes of U.S.A. designation pursuant to rule 4.17(iv. ))</li> <li><input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p><b>Items 12 to 23 below concern document(s) or information included:</b></p> <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> Information Disclosure Statement (IDS) w/PTO-1449 - <input checked="" type="checkbox"/> Copy of IDS citations. - <input checked="" type="checkbox"/> PCT/ISA/210 International Search Report included</li> <li><input type="checkbox"/> Assignment Papers (cover sheet &amp; document(s)).</li> <li><input checked="" type="checkbox"/> A preliminary amendment.</li> <li><input checked="" type="checkbox"/> An Application Data Sheet under 37 C.F.R. 1.76.</li> <li><input checked="" type="checkbox"/> Itemized Return Receipt Postcard</li> <li><input checked="" type="checkbox"/> Abstract</li> <li><input type="checkbox"/> A substitute specification.</li> <li><input type="checkbox"/> Power of Attorney and Statement under 37 CFR §3.73(b)             <ol style="list-style-type: none"> <li><input type="checkbox"/> Newly executed Power of Attorney</li> <li><input type="checkbox"/> A change of Power of Attorney and/or change of address letter.</li> </ol> </li> <li><input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li><input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li><input type="checkbox"/> A second copy of the English language translation of the international application (35 U.S.C. 154(d)(4)).</li> <li><input type="checkbox"/> Other items or information: _____</li> </ol>		

U.S. APPLICATION NO. <b>10/594575</b>		INTERNATIONAL APPLN. NO. <b>2005/000754</b>		ATTORNEY DOCKET NO. <b>0512-1354</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. <input checked="" type="checkbox"/> The following fees are submitted:  <p style="text-align: center;"><b>PCT FEES - NATIONAL STAGE</b></p>				<b>CALCULATIONS PTO USE ONLY</b>	
<u>Fee Description</u>					
Basic National Stage Fee				<b>\$300.00</b>	
Non ISA/US Search Provided      National Stage Search Fee				<b>\$400.00</b>	
<input type="checkbox"/> US was the IPEA And all claims satisfied the provisions of PCT Article 33 (1)-(4)      National Stage Examination Fee				<b>\$200.00</b>	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20- <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (Fee Code 1617/2617)				<b>\$130.00</b>	
National Stage Application size fee each additional 50 sheets in excess of 100  Fee Code 1681/2681		Additional Sheets - 100 =      =      X <div style="text-align: center; border-top: 1px solid black; width: 50px; margin: 0 auto;">50</div>		<b>Fee From Below \$125.00</b>	<b>\$0.00</b>
<b>CLAIMS</b>		NUMBER FILED	NUMBER EXTRA	RATE	
Independent Claims Fee Codes 1614 / 2614		2 - 3 =		x \$100.00	<b>\$0.00</b>
Total Claims Fee Codes 1615 / 2615		12 - 20 =		x \$25.00	<b>\$0.00</b>
MULTIPLE DEPENDENT CLAIM(S) (if applicable) Fee Code 1616 / 2616				+ \$360.00	<b>\$0.00</b>
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). Fee Code 1618				<b>\$0.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). (Fee code 8021) \$40.00 per property				+ <b>\$0.00</b>	
<b>TOTAL FEES ENCLOSED</b>				<b>=</b>	<b>\$1,030.00</b>
				Amount to be refunded:	\$
				Charged:	\$
<input checked="" type="checkbox"/> A check in the amount of <b>\$1,030.00</b> to cover the above fees is attached.  <input type="checkbox"/> The Director is hereby authorized to charge indicated fees and credit any overpayment to Deposit Account No. 25-0120 in the name of Young & Thompson. A duplicate copy of this sheet is enclosed.  <input checked="" type="checkbox"/> The Director is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 25-0120 for any additional fee required under 37 C.F.R. §§ 1.16 or 1.17.					
SEND ALL CORRESPONDENCE TO: YOUNG & THOMPSON 745 South 23 <sup>rd</sup> Street Arlington, VA 22202 Telephone: (703) 521-2297 Facsimile: (703) 685-0573			 SIGNATURE		
			Benoit Castel, Reg. No. 35,041 NAME, REGISTRATION NUMBER		
Y&T Customer No. <b>00466</b> BC/kmo			September 27, 2006 DATE		